TENT COOPERATION TREAT

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

	(PCT Article 36 and Rule 7	7O) REC'D 0 5 NOV 2004
		WIPO POT
Applicant's or agent's file reference GDM/JR-M020103-WO	FOR FURTHER ACTION See Notifit Preliminar	cation of Transmittal of International ry Examination Report (Form PCT/IPEA/416)
International application No. PCT/GB 03/03393	International filing date (day/month/year) 04.08.2003	Priority date (day/month/year) 02.08.2002
International Patent Classification A61L31/14	(IPC) or both national classification and IPC	
Applicant RALINEA LIMITED		
Authority and is transm	inary examination report has been prepared by this ted to the applicant according to Article 36.	· · · · · · · · · · · · · · · · · · ·
☐ This report is also	ef-a-total-of-6-sheets, including this cover-sheet. accompanied by ANNEXES, i.e. sheets of the desord are the basis for this report and/or sheets contain and Section 607 of the Administrative Instructions ur of a total of sheets.	cription, claims and/or drawings which have
3. This report contains ind	ications relating to the following items:	
III 🖾 Non-establi	shment of opinion with regard to novelty, inventive s	step and industrial applicability

Date of submission of the demand	Date of completion of this report	
28.01.2004	08.11.2004	
Name and mailing address of the international	Authorized Officer	

preliminary examining authority:

European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl

citations and explanations supporting such statement

Certain observations on the international application

Certain defects in the international application

Fax: +31 70 340 - 3016

Certain documents cited

Heck, G

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;

Telephone No. +31 70 340-3288



VIII 🗆

	ATIONAL PAE		Internation	al application No.	PCT/GB 03/03393		
	11 24 24 112						
I. Basis o	f the report		,				
the rece	iving Office in res	nts of the international sponse to an invitation his report since they o	n under Article 14	are reterrea to in tr	vhich have been furnished to nis report as "originally filed" 0.16 and 70.17)):		
				• *************************************	•		
							
Descrip	tion, Pages						
1-24, 26	-28 =	as originally f					
- 25		received on 3	30.10.2003 With le	etter of 30.10.2003	•		
-							
Claims,	Numbers						
1-12		as originally	filed				
_				-			
Drawin	gs, Sheets				•		
1/15-15/	15	received on :	30.09.2003 with l	etter of 30.09.2003			
With regard to the language, all the elements marked above were available or furnished to this Authority ir language in which the international application was filed, unless otherwise indicated under this item.							
These e	elements were av	ailable or furnished to	this Authority in	the following langua	age: , which is:		
☐ the	language of a tra	anslation furnished for	r the purposes of	the international se	arch (under Rule 23.1(b)).		
☐ the	language of pub	lication of the internal	tional application	(under Rule 48.3(b)).		
□ the Ru	language of a tr le 55.2 and/or 55	anslation furnished for .3).	r the purposes of	international prelim	inary examination (under		
3. With reinternat	gard to any nucl ional preliminary	eotide and/or amino examination was car	acid sequence or ried out on the ba	disclosed in the inter usis of the sequence	rnational application, the listing:		
☐ coi	ntained in the inte	ernational application	in written form.				
		ne international applic		r readable form.			
	_	ently to this Authority in			•		
		ently to this Authority in	•	able form.			
∏ Th	e statement that		ished written seq	uence listing does r	not go beyond the disclosure		
☐ Th list	e statement that ing has been fur	the information record	ded in computer r	eadable form is ide	ntical to the written sequence		
4. The an	The amendments have resulted in the cancellation of:						
□ the	e description,	pages:					
☐ the	e claims,	Nos.:					

BEST AVAILABLE COPY

sheets:

☐ the drawings,

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/GB 03/03393

	5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).					
			(Any replacement sheet conta report.)	ining s	uch amendn	nents must be referred to	o under item 1 and annexed to this	
	6.	Ādd	litional observations, if necessa	ıry:	•		·	
-	111:	Noi	n-establishment of opinion w	ith reg	ard to nove	lty, inventive step and	industrial applicability	
			questions whether the claimed ious), or to be industrially applic					
			the entire international application,					
		\boxtimes	claims Nos. 12					
			because:			· <u>-</u>	-	
		<u> </u>	the said international applicati does not require an internation	on, or nal pre	the said clair Iiminary exai	ns Nos, 12 relate to the finite in the finit	ollowing subject matter which	
			see separate sheet					
			the description, claims or draw that no meaningful opinion co	vings (indicate parti formed (spe	icular elements below) or cify):	said claims Nos. are so unclear	
			the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.					
			no international search report has been established for the said claims Nos.					
	2.	or a	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/ or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative instructions:					
	-		the written form has not been furnished or does not comply with the Standard.					
			the computer readable form h	as not	been furnish	ed or does not comply w	rith the Standard.	
	V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
			tement					
		Nov	velty (N)	Yes: No:	Claims Claims	1-11		
		Inve	entive step (IS)	Yes: No:	Claims Claims	- 1-11		
		Indi	ustrial applicability (IA)	Yes: No:	Claims Claims	1-11 -		

BEST AVAILABLE COPY

2. Citations and explanations

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

nternational application No.

PCT/GB 03/03393

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Re Item III

i,

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Since claim 12 is directed to a method of treatment of the human or animal body by surgery, it relates to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. For the assessment of the subject-matter of present _ claim_12 on the question_whether it is industrially applicable, no unified criteria exist in the PCT Contracting States. Therefore, no opinion will be formulated with respect to the subject-matter of claim 12 (Article 34(4)(a)(i) PCT).

Re Item V

Reasoned statement under Rule 66.2(a)(ii) PCT with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document (D1) cited in the International search report:

D1 ... US 5,108,413 A (Moyers R.E.)

Document D1 discloses (cf. claims 1, 2, 10, 11) a dilator for opening the lumen of a tubular organ comprising an elongated flexible expansion member of a material having a negative Poisson ratio. The subject-matter of claims 1-11 of the present application differs from the disclosure of D1 in that both ends of the tubular liner are open and is therefore novel according to Article 33(2) PCT.

Document D1, which is considered the most relevant state of the art, discloses (cf. col. 1, lines 43-45; claims 1, 2, 10, 11) a dilator for opening the lumen of a tubular body organ comprising an elongated flexible expansion member of a material having a negative Poisson ratio to obtain a known and controllable radial expansion.

In view of D1, the objective technical problem underlying the present application is considered to provide devices for lining in vivo ducts which allow for a known and controllable radial expansion.

BEST AVAILABLE COPY

INTERNATIONAL PRELIMINARY

International application No. PCT/GB 03/03393

The solution is a tubular liner for insertion into an in vivo duct with two open ends to allow for fluid flow through the liner comprising an auxetic material.

The subject-matter of claims 1-11 of the present application is not limited to implantable or biocompatible liners. According to the Applicant, there is no reason why the teaching of this document should be limited to in vivo ducts....

According to the preliminary examination authority, the limitation to in vivo ducts is essential. The application does not contain any mention of other types of ducts and it is... not apparent how the application of the tubular liner to other types of ducts would be useful._

Therefore, the objective technical problem has been defined above as to provide devices for lining in vivo ducts so that the technical problem is not solved over the whole scope of the claims.

Since this objective technical problem is not solved over the whole scope of the claims, the subject-matter of claims 1-11 cannot be considered to involve an inventive activity according to Article 33(3) PCT.

The subject-matter of claims 1-11 of the present application fulfils the requirements of Article 33(4) PCT concerning the industrial applicability.

BEST AVAILABLE COPY